



PATENT
Attorney Docket No.: DIVER1280-3

AF
1639
IFW

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Short and Keller Art Unit: 1639
Application No.: 09/685,432 Examiner: J.D. Epperson
Filed: October 10, 2000 Confirmation No.: 4977
Title: HIGH THROUGHPUT SCREENING FOR SEQUENCES OF INTEREST

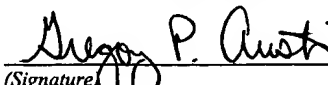
MAIL STOP AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

Transmitted herewith for the above-identified application please find:

1. Response to the Office Action mailed April 28, 2004 (17 pgs.);
2. Exhibit A (5 pgs.);
3. Exhibit B (6 pgs.) and
4. Return Receipt Postcard.

CERTIFICATION UNDER 37 CFR §1.8	
I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service with sufficient postage as first class mail on this date, July 26, 2004 , in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Gregory P. Austin (Name of Person Mailing Paper)	
 (Signature)	July 26, 2004 (Date)

In re Application of:
Short and Keller
Application No.: 09/685,432
Filed: October 10, 2000
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Applicants claim **SMALL ENTITY** status in the above-identified application. Pursuant to 37 C.F.R. § 1.27, a verified statement claiming small entity status is not required.

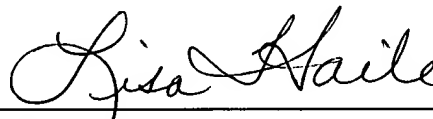
The Fee for this Response is calculated as follows:

For	Claims Remaining After Amendment	Highest Number Previously Paid For	Extra Claims	Small Entity Rate	Large Entity Rate	Calculations
Total Claims	19	61	0	x \$09	x \$18	\$0
Independent Claims	1	6	0	x \$43	x \$86	\$0
Multiple Dependent Claim(s)	N/A			\$145	\$290	\$0
					TOTAL FEE	\$0

No fee is deemed necessary in connection with the filing of this paper. However, if a fee is required, the Commissioner is hereby authorized to charge any required fee associated with the filing submitted herewith, or credit any overpayments, to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: July 26, 2004



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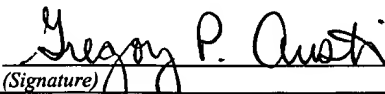
RESPONSE TO OFFICE ACTION

Sir:

In response to the final Office Action mailed April 28, 2004, please enter the following amendments and consider the following remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page two of this paper.

Remarks/Arguments begin on page six of this paper.

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